

Water-Data Report NV-2005

10336760 EDGEWOOD CREEK AT STATELINE, NV

TRUCKEE RIVER BASIN, LAKE TAHOE

LOCATION.--Lat 38°57'58", long 119°56'10" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.27, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on left bank, at upstream side of culvert on U.S. Highway 50, and 0.5 mi northeast of Stateline.

DRAINAGE AREA.--5.61 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct 1966 to Feb 1980 (operated as partial record site), Oct 1992 to current year.

REVISED RECORDS.--WDR: NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,280 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated discharges, which are poor. Discharge affected by slight regulation and diversion for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft³/s, Jan 2, 1997, gage height, 6.14 ft.; minimum daily, 0.14 ft³/s, May 10, 2002, due to temporary diversion upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12 ft³/s, May 16, gage height, 4.32 ft; minimum daily discharge, 2.1 ft³/s, on several days.

10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.4	2.6	e2.7	2.3	3.7	3.6	5.7	9.1	6.6	2.8	2.4	2.4
2	2.3	2.6	e2.7	2.4	3.7	3.5	5.7	9.0	5.9	2.8	2.4	2.4
3	2.3	3.0	e2.7	2.5	3.7	3.5	5.8	9.1	5.9	2.8	2.4	2.4
4	2.3	3.4	e2.8	2.6	3.7	3.5	5.8	9.1	5.9	2.8	2.4	2.4
5	2.4	3.3	2.8	2.7	3.4	3.4	6.0	9.2	5.8	2.9	2.4	2.4
6	2.4	3.3	2.8	2.8	3.4	3.6	6.4	9.3	5.3	2.9	2.4	2.4
7	2.4	3.2	2.9	2.9	3.5	3.7	6.5	9.1	4.8	2.8	2.4	2.4
8	2.5	3.3	2.9	3.0	3.5	3.8	6.5	9.0	5.0	2.8	2.4	2.5
9	2.5	3.3	2.8	3.2	3.5	3.8	6.5	9.2	5.3	2.7	2.3	2.5
10	2.6	3.3	2.7	3.6	3.6	5.4	6.3	9.1	5.8	2.8	2.3	2.5
11	2.7	3.2	2.8	3.7	3.6	6.4	6.3	9.0	5.6	3.5	2.3	2.4
12	2.7	3.2	2.8	4.0	3.7	6.2	6.4	8.9	5.5	3.6	2.3	2.5
13	2.7	3.2	2.8	4.1	3.6	6.6	6.5	8.8	5.4	3.4	2.2	2.5
14	2.8	3.2	2.8	4.0	3.6	7.5	6.6	9.1	4.7	2.9	2.2	2.5
15	2.8	3.1	2.7	3.9	3.6	6.4	6.5	9.3	4.2	2.5	2.3	2.5
16	2.8	3.1	2.7	3.8	3.6	5.1	7.2	11	4.2	2.4	2.5	2.5
17	2.9	3.1	2.6	3.7	3.6	4.8	8.8	11	4.3	2.4	2.5	2.5
18	3.0	3.1	2.5	3.6	3.6	4.8	10	11	4.4	2.4	2.5	2.5
19	3.2	3.1	2.5	3.7	3.6	4.9	9.8	10	4.3	2.3	2.4	2.5
20	4.0	3.1	2.4	3.5	3.7	5.1	8.7	10	4.2	2.3	2.5	2.5
21	4.6	2.9	2.4	3.5	3.7	5.0	8.3	10	4.1	2.3	2.4	2.7
22	4.4	2.7	2.3	3.5	3.7	5.2	8.3	9.7	4.0	2.2	2.4	2.7
23	4.1	2.6	2.2	3.5	3.6	5.3	8.4	9.4	3.9	2.2	2.5	2.6
24	3.9	2.6	2.1	3.5	3.5	5.2	8.2	8.9	3.9	2.2	2.4	2.6
25	3.0	2.5	2.1	3.6	3.5	5.2	7.9	8.3	3.8	2.2	2.4	2.8
26	2.6	e2.6	2.1	3.6	3.5	5.2	8.0	7.7	3.8	2.1	2.4	2.8
27	2.5	e2.6	2.1	e3.6	3.6	5.2	8.3	7.8	3.7	2.1	2.4	3.0
28	2.5	e2.6	2.1	e3.6	3.7	5.7	9.2	7.7	3.6	2.1	2.4	3.1
29	2.5	e2.6	2.1	e3.6	---	6.0	9.3	7.5	3.3	2.2	2.4	3.7
30	2.6	e2.7	2.2	e3.6	---	5.9	9.0	7.2	2.8	2.3	2.4	3.8
31	2.6	---	2.2	3.6	---	5.7	---	7.0	---	2.4	2.4	---
Total	89.0	89.1	78.3	105.2	100.7	155.2	222.9	280.5	140.0	80.1	74.0	79.0
Mean	2.87	2.97	2.53	3.39	3.60	5.01	7.43	9.05	4.67	2.58	2.39	2.63
Max	4.6	3.4	2.9	4.1	3.7	7.5	10	11	6.6	3.6	2.5	3.8
Min	2.3	2.5	2.1	2.3	3.4	3.4	5.7	7.0	2.8	2.1	2.2	2.4
Ac-ft	177	177	155	209	200	308	442	556	278	159	147	157

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.17	3.55	3.89	4.82	4.62	6.23	7.45	7.44	4.50	2.84	2.67	2.95
Max	5.87	5.96	6.50	14.4	7.22	9.83	13.5	15.8	10.0	5.67	4.39	5.44
(WY)	(1999)	(1999)	(1997)	(1997)	(2000)	(1998)	(1999)	(1999)	(1998)	(1998)	(1997)	(1997)
Min	1.49	1.69	1.48	2.10	2.15	2.57	2.92	2.34	1.57	1.38	1.54	1.47
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1994)	(1994)	(1994)	(1994)	(1994)	(2004)	(1993)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1993 - 2005	
Annual total	1,116.3		1,494.0			
Annual mean	3.05		4.09		4.51	
Highest annual mean					7.71 1999	
Lowest annual mean					2.17 1994	
Highest daily mean	12	Mar 22	11	May 16	102	Jan 2, 1997
Lowest daily mean	1.3	Jul 20	2.1	Dec 24	0.14	May 10, 2002
Annual seven-day minimum	1.3	Aug 12	2.1	Dec 23	1.3	Sep 23, 1993
Maximum peak flow			12	May 16	136	Jan 2, 1997
Maximum peak stage			4.32	May 16	6.14	Jan 2, 1997
Annual runoff (ac-ft)	2,210		2,960		3,270	
10 percent exceeds	4.4		8.2		8.2	
50 percent exceeds	2.8		3.3		3.7	
90 percent exceeds	1.5		2.4		1.7	

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to current year.

REMARKS.--In Aug 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. Hydrazine method used to determine nitrate plus nitrite concentrations (00631) was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia	
											+ org-N, water, fltrd, mg/L as N (00623)	+ org-N, water, unfltrd mg/L as N (00625)
Oct												
08...	1100	Environmental	2.5	--	--	--	--	94	11.5	7.0	--	.12
Nov												
03...	1320	Environmental	2.6	--	--	--	--	101	3.0	3.0	--	.13
Dec												
10...	0920	Environmental	2.7	612	10.4	96	7.6	108	2.5	3.0	.08	.08
Jan												
06...	1335	Environmental	2.8	--	--	--	--	101	-2.0	2.5	--	.11
Feb												
04...	1100	Environmental	3.7	--	--	--	--	120	4.5	2.0	--	.16
Mar												
05...	1725	Environmental	3.5	610	10.3	97	7.8	154	2.0	3.3	.08	.13
07...	1425	Environmental	3.8	--	--	--	--	151	7.5	4.0	.08	.12
Apr												
05...	1120	Environmental	5.8	--	--	--	--	186	5.5	4.0	.13	.18
16...	1500	Environmental	7.5	--	--	--	--	167	14.0	5.0	.15	.14
22...	1655	Environmental	8.6	--	--	--	--	145	8.5	4.0	.14	.28
28...	1445	Environmental	9.6	--	--	--	--	140	7.0	5.0	.19	.27
May												
02...	1215	Environmental	9.1	--	--	--	--	139	10.0	4.0	.19	.27
04...	1345	Environmental	9.3	--	--	--	--	126	14.0	5.5	.16	.22
12...	1430	Environmental	9.1	--	--	--	--	129	13.5	6.5	.14	.20
17...	1700	Environmental	11	--	--	--	--	117	8.5	6.5	.23	.33
19...	1600	Environmental	10	--	--	--	--	116	13.0	8.0	.26	.31
23...	1325	Environmental	9.6	--	--	--	--	112	18.0	7.5	.17	.27
25...	1430	Environmental	7.7	--	--	--	--	113	20.0	10.0	.18	.22
27...	1130	Environmental	7.7	--	--	--	--	112	18.5	9.5	.14	.21
Jun												
01...	1000	Environmental	6.8	--	--	--	--	118	15.0	8.5	.14	.22
09...	1355	Environmental	5.6	608	9.6	102	8.2	119	12.5	8.0	.16	.12
20...	0955	Environmental	4.3	--	--	--	--	119	13.0	8.5	.11	.15
Jul												
05...	1040	Environmental	3.0	--	--	--	--	109	17.5	10.5	.08	.13
Aug												
05...	1230	Environmental	2.4	--	--	--	--	102	20.0	12.5	--	.09
05...	1235	<i>Replicate</i>	--	--	--	--	--	--	--	--	--	.10
Sep												
13...	1455	Environmental	2.5	608	10.0	106	8.3	94	14.5	8.0	--	.07

10336760 EDGEWOOD CREEK AT STATELINE, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 2

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
Oct							
08...	.005	.007	.007	.014	.021	2	.01
Nov							
03...	.004	.007	.009	.029	.033	1	.01
Dec							
10...	.003	.019	.011	.021	.025	2	.01
Jan							
06...	.004	.026	.009	.019	.024	1	.01
Feb							
04...	.019	.034	.009	.018	.038	6	.06
Mar							
05...	.011	.034	.012	.017	.031	8	.08
07...	.013	.039	.008	.016	.030	5	.05
Apr							
05...	.003	.037	.010	.020	.026	E3	E.05
16...	.005	.033	.011	.017	.033	4	.08
22...	.004	.045	.010	.025	.038	5	.12
28...	.004	.045	.011	.021	.030	E7	E.18
May							
02...	.005	.047	.012	.024	.031	5	.12
04...	.006	.050	.011	.024	.037	6	.15
12...	.007	.044	.010	.022	.030	5	.12
17...	.003	.042	.011	.027	.037	5	.15
19...	.003	.040	.009	.029	.031	6	.16
23...	.007	.045	.007	.013	.032	6	.16
25...	.006	.044	.009	.018	.031	5	.10
27...	.004	.037	.008	.015	.033	4	.08
Jun							
01...	.004	.028	.007	.015	.031	3	.06
09...	.004	.020	.008	.023	.029	7	.11
20...	.004	.015	.008	.017	.023	3	.03
Jul							
05...	<.003	.002	.007	.018	.033	3	.02
Aug							
05...	.004	.007	.011	.017	.025	6	.04
05...	.004	.008	.010	.019	.023	--	--
Sep							
13...	.003	.009	.011	.017	.023	1	.01